ANNUAL REPORT OF THE CENTRAL METEOROLOGICAL OBSERVATORY OF JAPAN

FOR

THE YEAR 1911.

PART II.

ON

THE BAROMETRIC DEPRESSIONS

IN

THE YEAR 1911.

PUBLISHED BY THE CENTRAL METEOROLOGICAL OBSERVATORY,

TOKIO.

1918.

THE BAROMETRIC DEPRESSIONS IN THE YEAR 1911.

JANUARY.

1. *Jan. 4—7.* Continental cyclone from Mongolia.
2. *Jan. 4—6.* Continental cyclone from the upper Yangtse–valley.
3. *Jan. 30—Feb. 1.* Continental cyclone from South China.

FEBRUARY.

4. *Feb. 12—16.* Barometric depression from the Pacific to the east of the Balingtang channel.
5. *Feb. 13—16.* Continental cyclone from North China.
6. *Feb. 27—March 3.* Continental cyclone from Mongolia.
7. *Feb. 28—March 4.* Typhoon from the Western Carolines.

MARCH.

8. *March 3—7.* Continental cyclone from the Yangtse-valley.
9. *March 5—8.* Barometric depression from the Eastern sea.
10. *March 17—20.* Typhoon from the Pacific between the Riukius and Bonin islands.
11. *March 20—24.* Continental cyclone from the Yangtse-valley.
12. *March 28—31.* Continental cyclone from the upper Yangtse-valley.

APRIL.

13. *April 2—6.* Barometric depression from the Eastern sea.
14. *April 14—17.* Barometric depression from the China sea.
15. *April 18—21.* Continental cyclone from Mongolia.
16. *April 19—22.* Continental cyclone from Eastern Mongolia.
17. *April 23—26.* Continental cyclone from the Hoangho-valley.
18. *April 21—25.* Typhoon of the Philippine islands.

MAY.

19. *May 9—15.* Continental cyclone from the upper Yangtse-valley.
20. *May 18—22.* Continental cyclone from the mean Yangtse-valley.
21. *May 24—27.* Typhoon from the Pacific to the east of Luzon.
22. *May 27—31.* Continental cyclone from South China.

JUNE.

23. *June 2—4.* Continental cyclone from Mongolia.
24. *June 12—17.* Continental cyclone from Yunnan.
25. *June 16—21.* Continental cyclone from the Yangtse-valley.
26. *June 12—20.* Typhoon from the Mariana islands. This typhoon crossed Western Japan, causing a heavy rainstorm there. At Miyazaki the barometer fell as low as 727.9mm* on the 18th, at 10.1?pm.

JULY.

27. *June 29—July 11.* Typhoon from the Mariana islands.
28. *July 9—13.* Typhoon from the Pacific to the east of the Philippine islands.
29. *July 11—21.* Typhoon from the Mariana islands.
30. *July 17—27.* Typhoon from the Eastern Carolines.
31. *July 20—27.* Typhoon from the Pacific to the north of the Mariana islands. This typhoon crossed southeastern Japan, causing a heavy rainstorm there. At Numazu the barometer fell to 726.0mm on the 26th, at 1a.m
32. *July 27—Aug. 5.* Typhoon from the Mariana islands.

AUGUST.

33. *Aug. 1—6.* Typhoon from the Pacific to the north of the Mariana islands. This typhoon crossed Central Japan on the night of the 4th, causing a heavy rainstorm there. At Tsu the glass fell to 749.6mm on the same day, at 11.30p.m.
34. *Aug. 6—16.* Typhoon from the Mariana islands.
35. *Aug. 12—17.* Typhoon from the Mariana islands. This typhoon crossed the Northern Riukius and Western Japan, causing a severe storm of wind and rain. Some thousand houses were destructed there. At Miyazaki the barometer fell as low as 724.0mm. on the 15th, at 1.45p.m.
36. *Aug. 17—22.* Typhoon from the Pacific to the southeast of the Bonin islands.
37. *Aug. 22—30.* Typhoon from the Pacific to the north of the Mariana islands. This typhoon touched the southern extremity of Formosa. During the visitation of this cyclone heavy rain fell in the southern part of the islands. At Koshun the barometer fell as low as 702.9mm. on the 26th, at 11p.m.
38. *Aug. 27—Sept. 8.* Typhoon from the Mariana islands. This typhoon crossed Northern Formosa, causing a very severe rainstorm there. A great deal of damage was reported. About 400 lives were lost. At Ishigakijima the glass fell to 717.4mm. on the 31st, at 2.40p.m.

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* The barometric readings given in the text have been reduced to sea-level and to standard gravity.

SEPTEMBER.

39. *Sept. 10 – 15.* Continental cyclone from the Yangtse-valley.

40. *Sept 12 – 19.* Typhoon from the Mariana islands.

41. *Sept. 17 – 23.* Typhoon from the Mariana Islands. This typhoon travelled along our south coast, causing a severe rainstorm there. At Kagoshima the barometer fell to 725.5mm. on the 21st, at 7.30p.m.

42. *Sept 28 – 30.* Typhoon from the Mariana islands.

43. *Sept. 28 – Oct. 1.* Continental cyclone from South China.

OCTOBER.

44. *Sept. 25 – Oct. 4.* Typhoon from the Pacific to the east of the Philippines.

45. *Oct. 6 – 9.* Typhoon from the Pacific to the east of the Philippines. This typhoon travelled over Southern Japan.

46. *Oct. 10 – 18.* Typhoon from the Pacific to the southwest of the Mariana islands.

47. *Oct. 12 – 16.* Typhoon from the Pacific to the north of the Pelew islands.

48. *Oct. 19 – 24.* Typhoon from the Pacific to the south of the Mariana islands.

49. *Oct. 24 – 26.* Continental cyclone from North China.

NOVEMBER.

50. *Nov. 3 – 10.* Typhoon from the Pacific to the north of the Pelew islands.

51. *Nov 4 – 8.* Typhoon from the Pacific to the south of the Mariana islands.

52. *Nov. 11 – 13.* Continental cyclone from North China.

53. *Nov. 14 – 18.* Continental cyclone from the Yangtse-valley.

54. *Nov. 21 – 26.* Continental cyclone from Szechwan, Western China.

55. *Nov. 25 – 27.* Depression from the Yellow sea.

DECEMBER.

56. *Dec. 3 – 6.* Continental cyclone from Central Siberia.

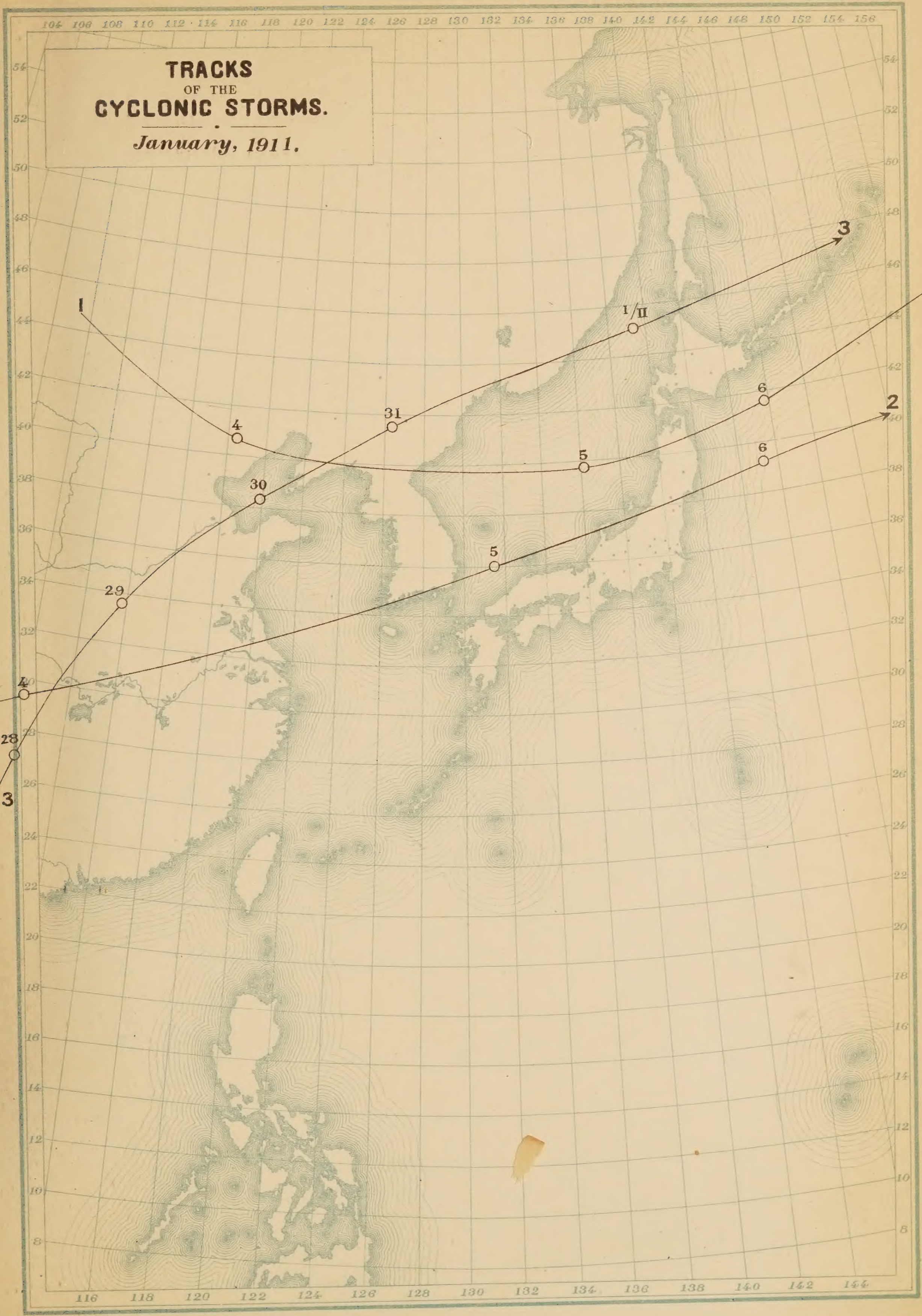
57. *Dec. 5 – 12.* Typhoon from the Mariana islands.

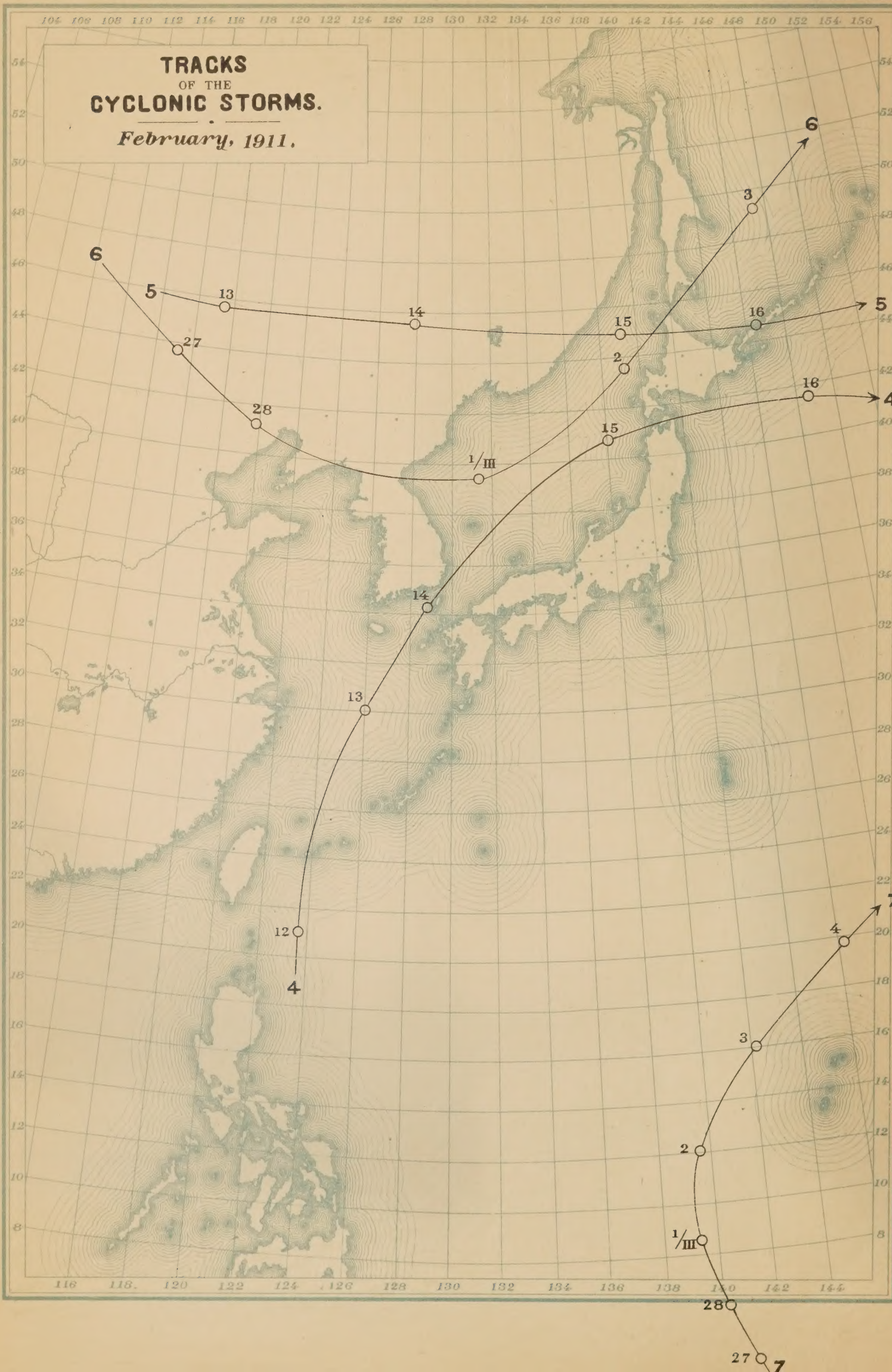
58. *Dec. 18 – 20.* Continental cyclone from the Yangtse-valley.

59. *Dec. 25 – 27.* Depression from the neighbourhood of Formosa.

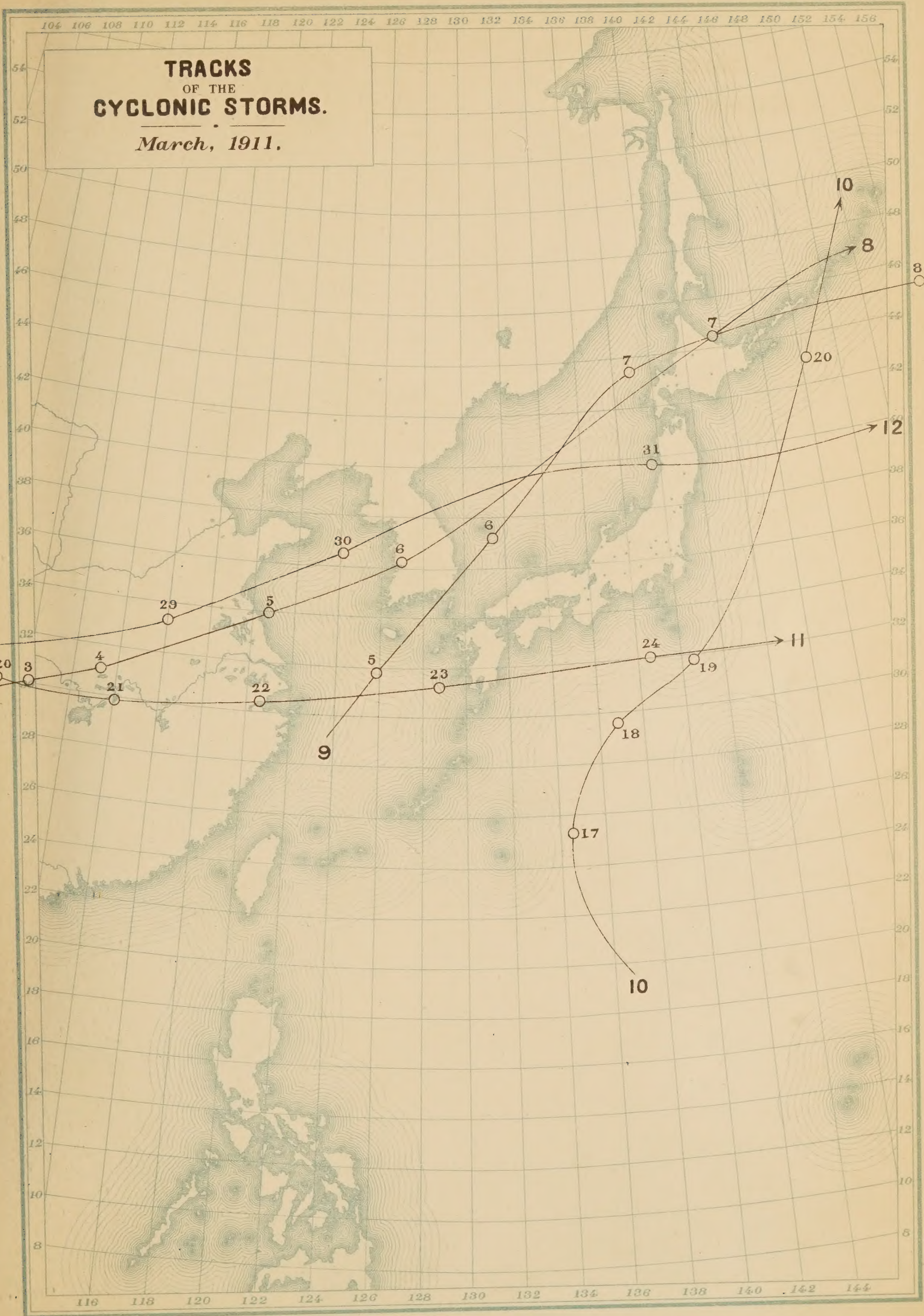
60. *Dec. 25 – 27.* Secondary cyclone from the south coast of Japan..

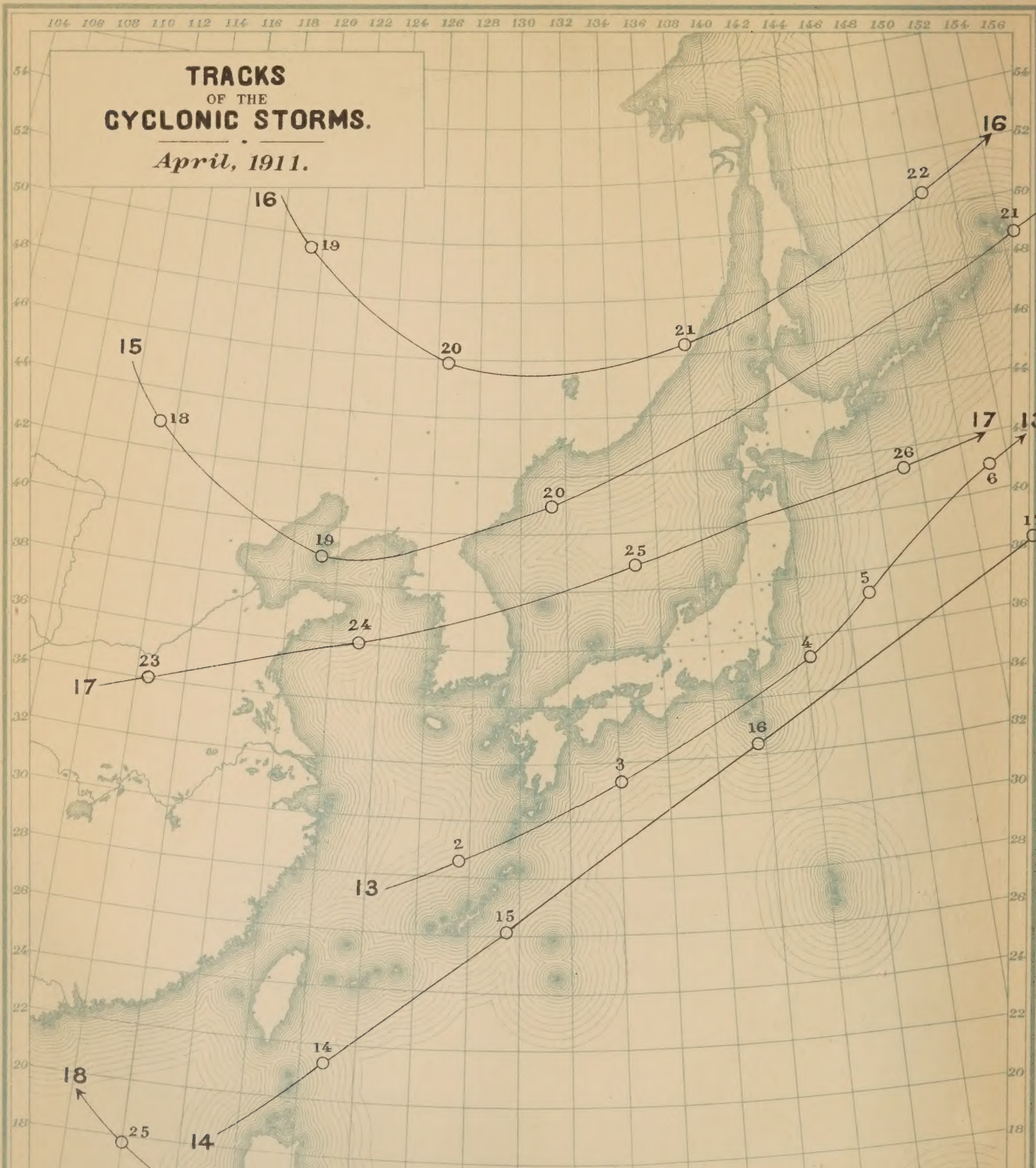
Note. — The tracks of all the barometric depressions given in the this catalogue are exhibited on the charts at the end of the volume. Each of the small circles in the tracks indicates the position of the centre at 6a.m. on the date specified by the figures printed near the circle.


TRACKS
OF THE
CYCLONIC STORMS.
January, 1911.
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TRACKS
OF THE
CYCLONIC STORMS.
February, 1911.

PL. III.

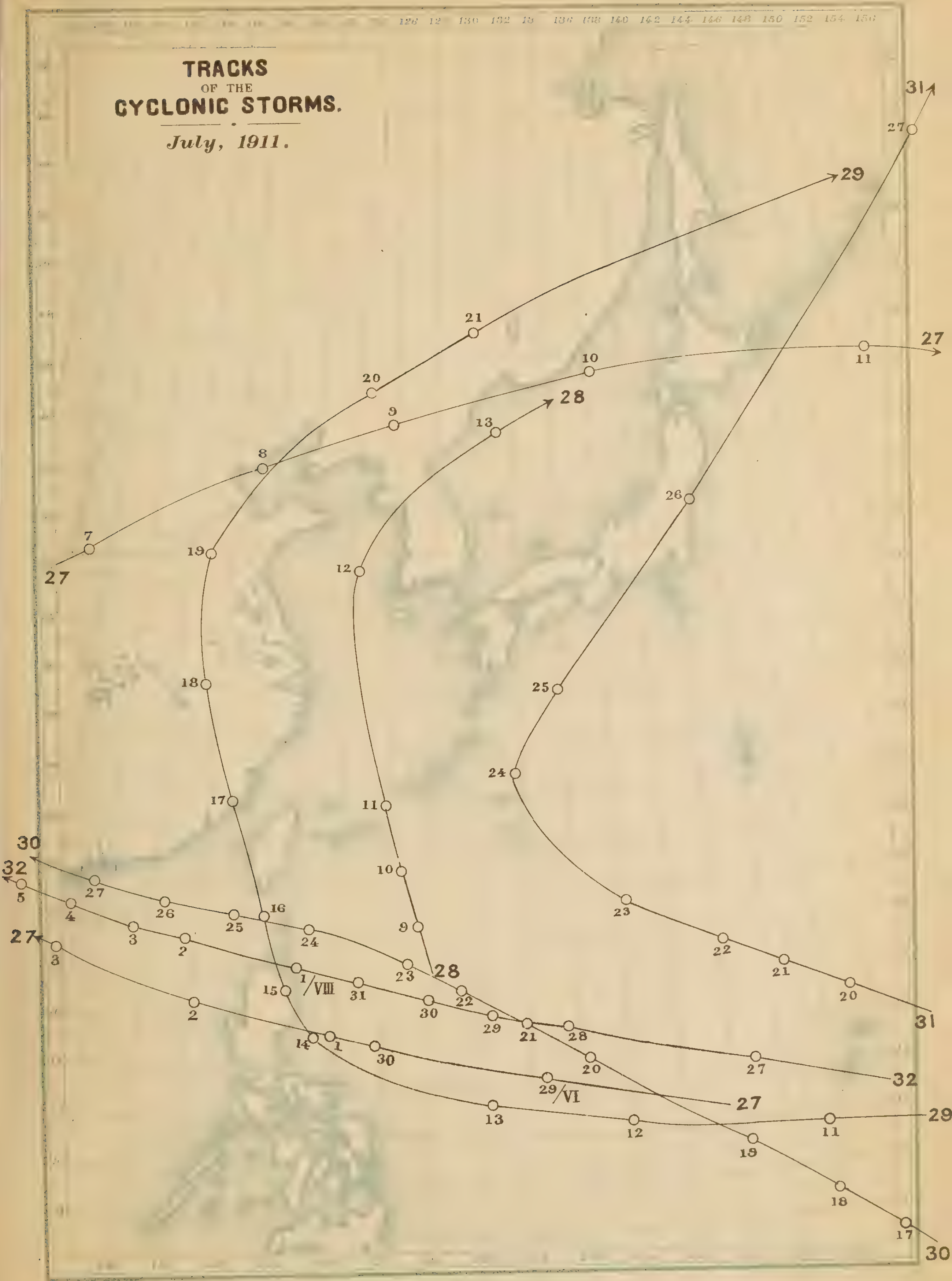



TRACKS
OF THE
CYCLONIC STORMS.
April, 1911.
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18

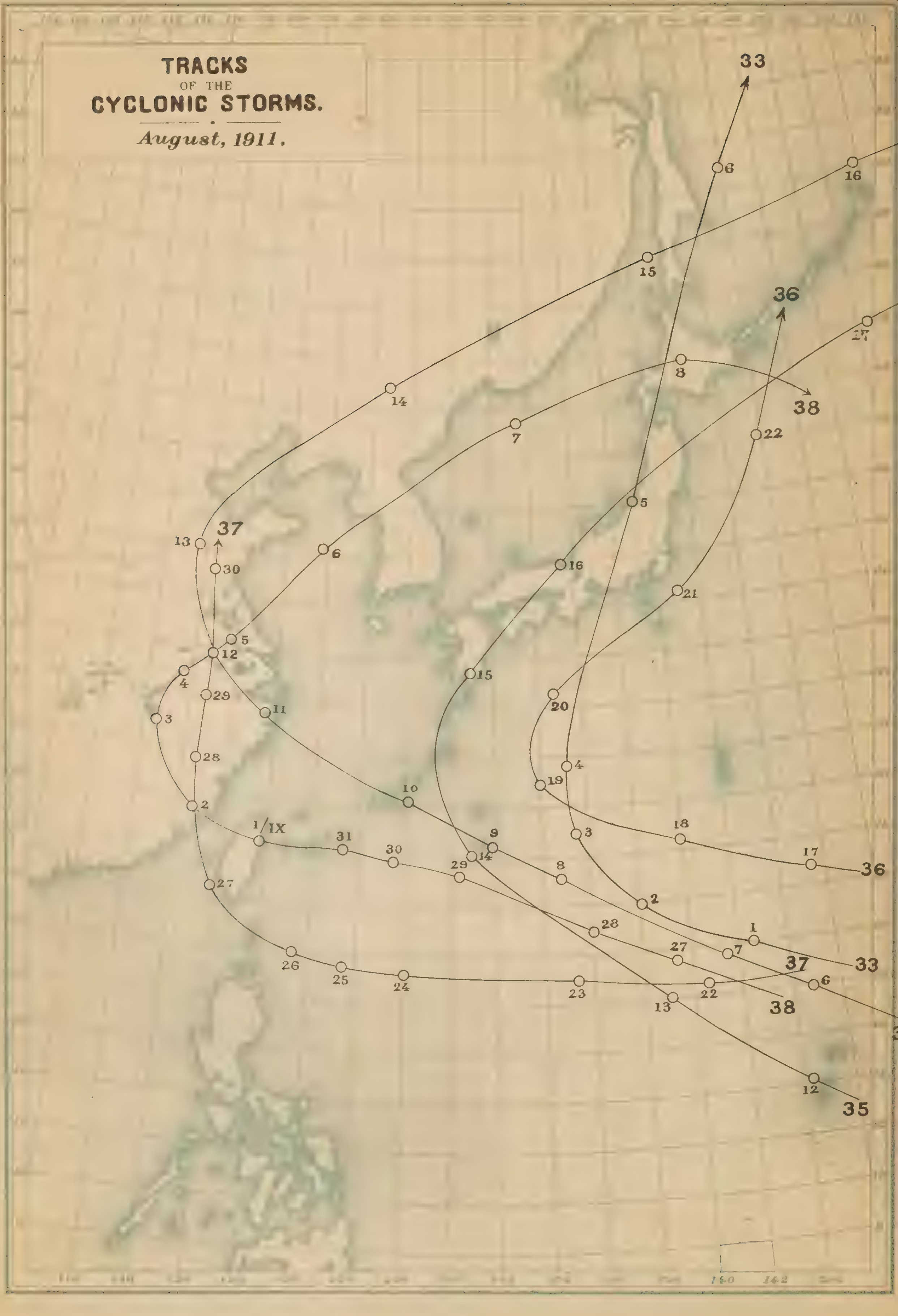
PL. V.

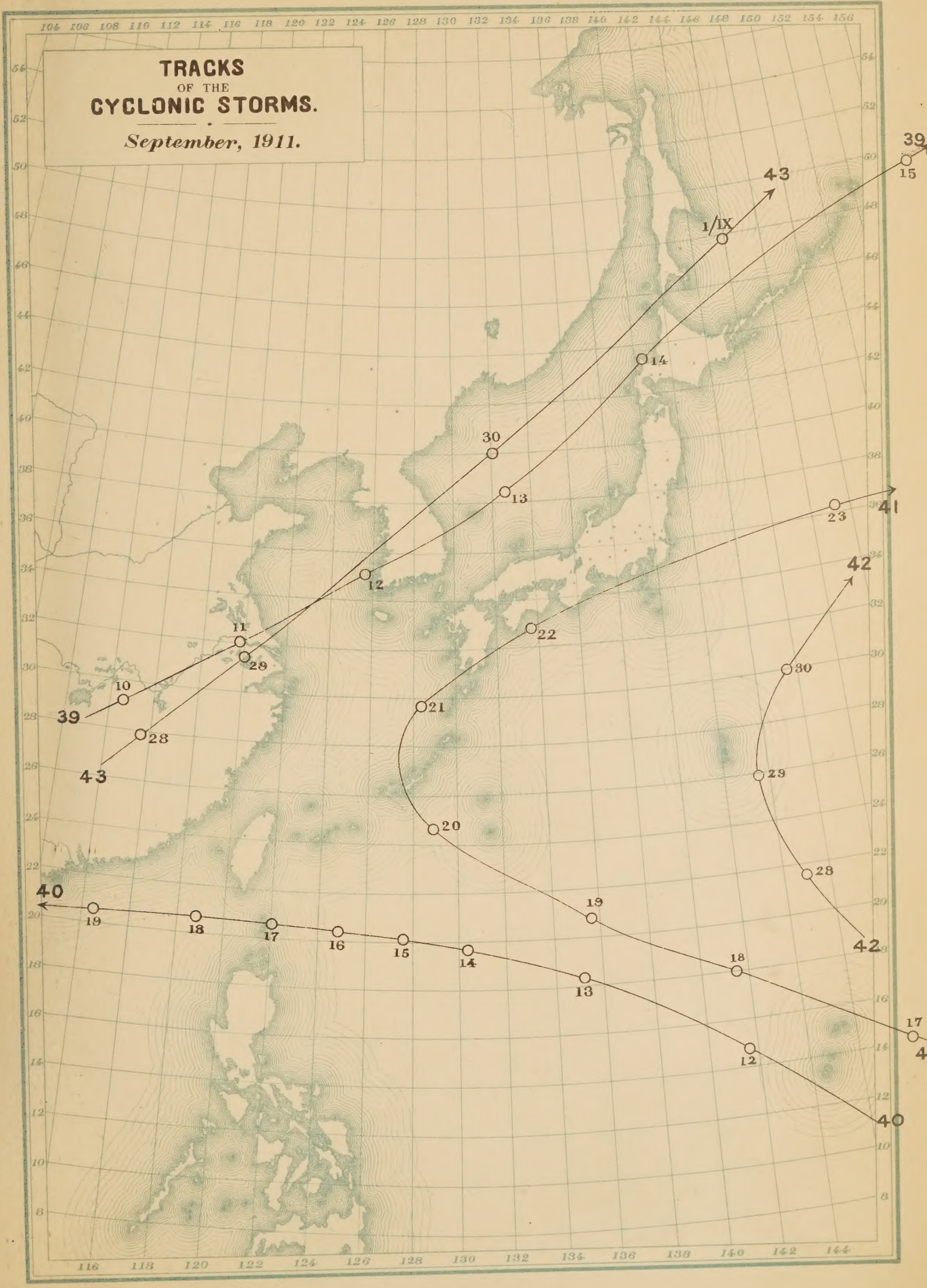

TRACKS
OF THE
CYCLONIC STORMS.
May, 1911.
104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156
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TRACKS
OF THE
CYCLONIC STORMS.
June, 1911.
118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152
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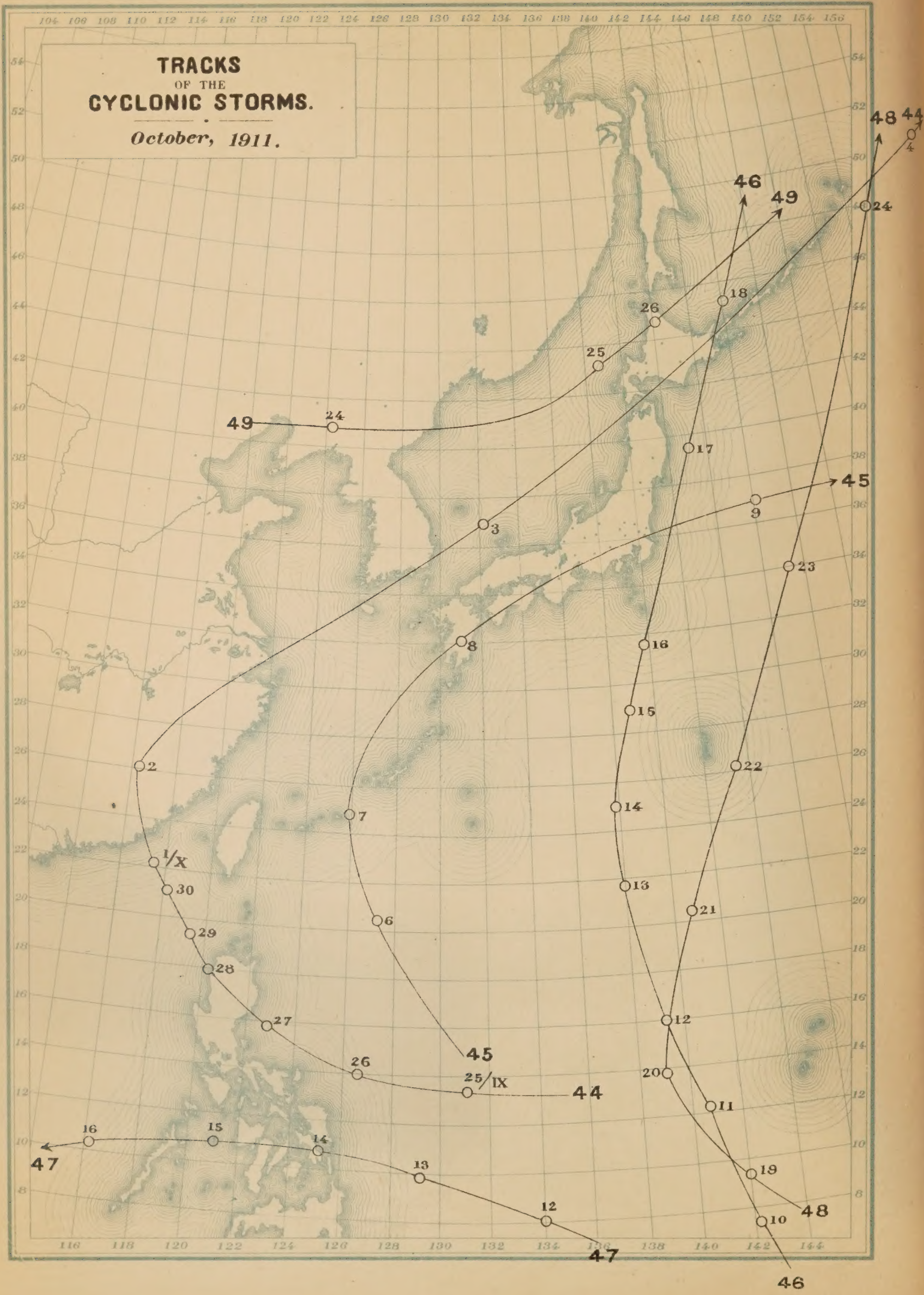

TRACKS
OF THE
CYCLONIC STORMS.
July, 1911.
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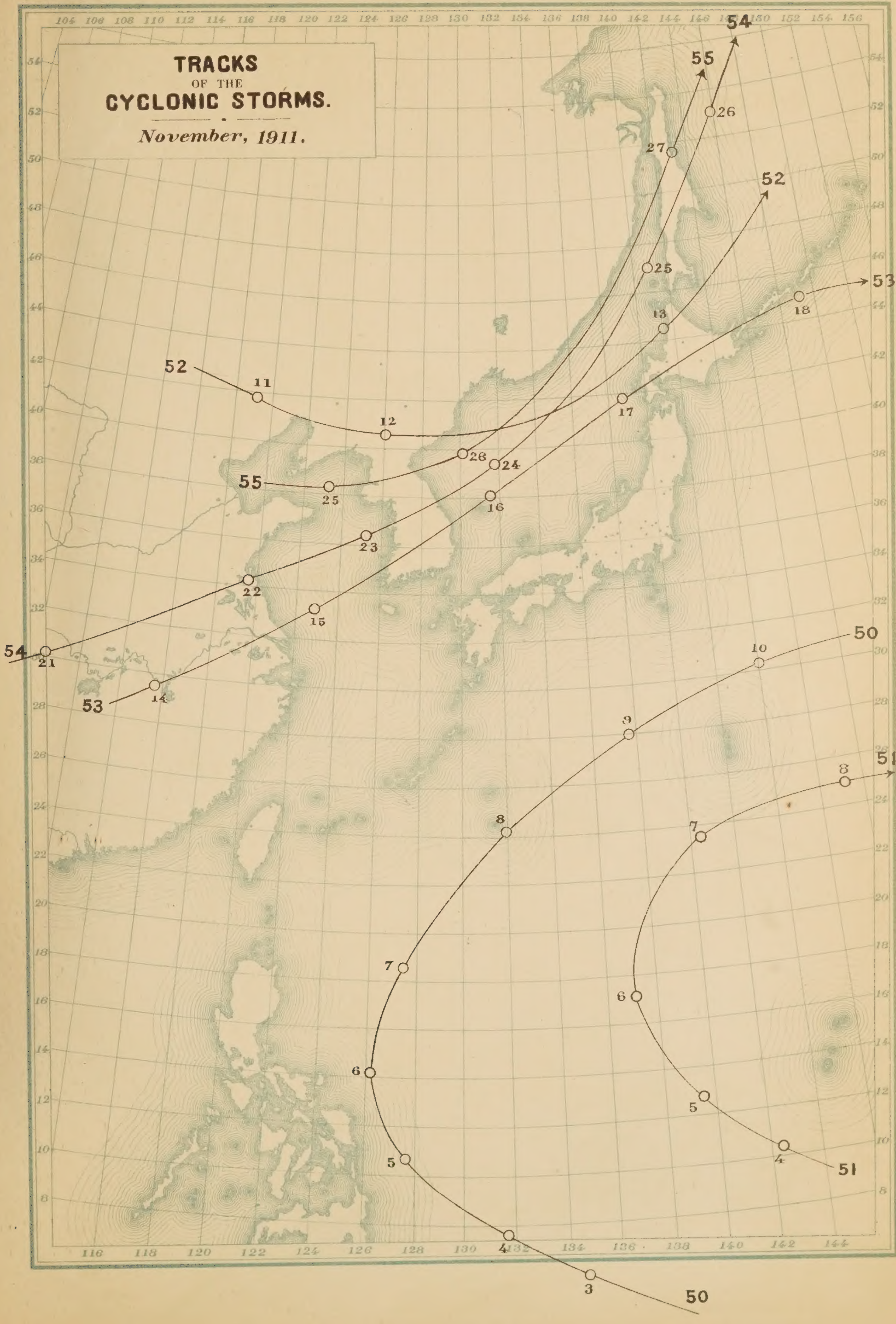
PL. VIII.



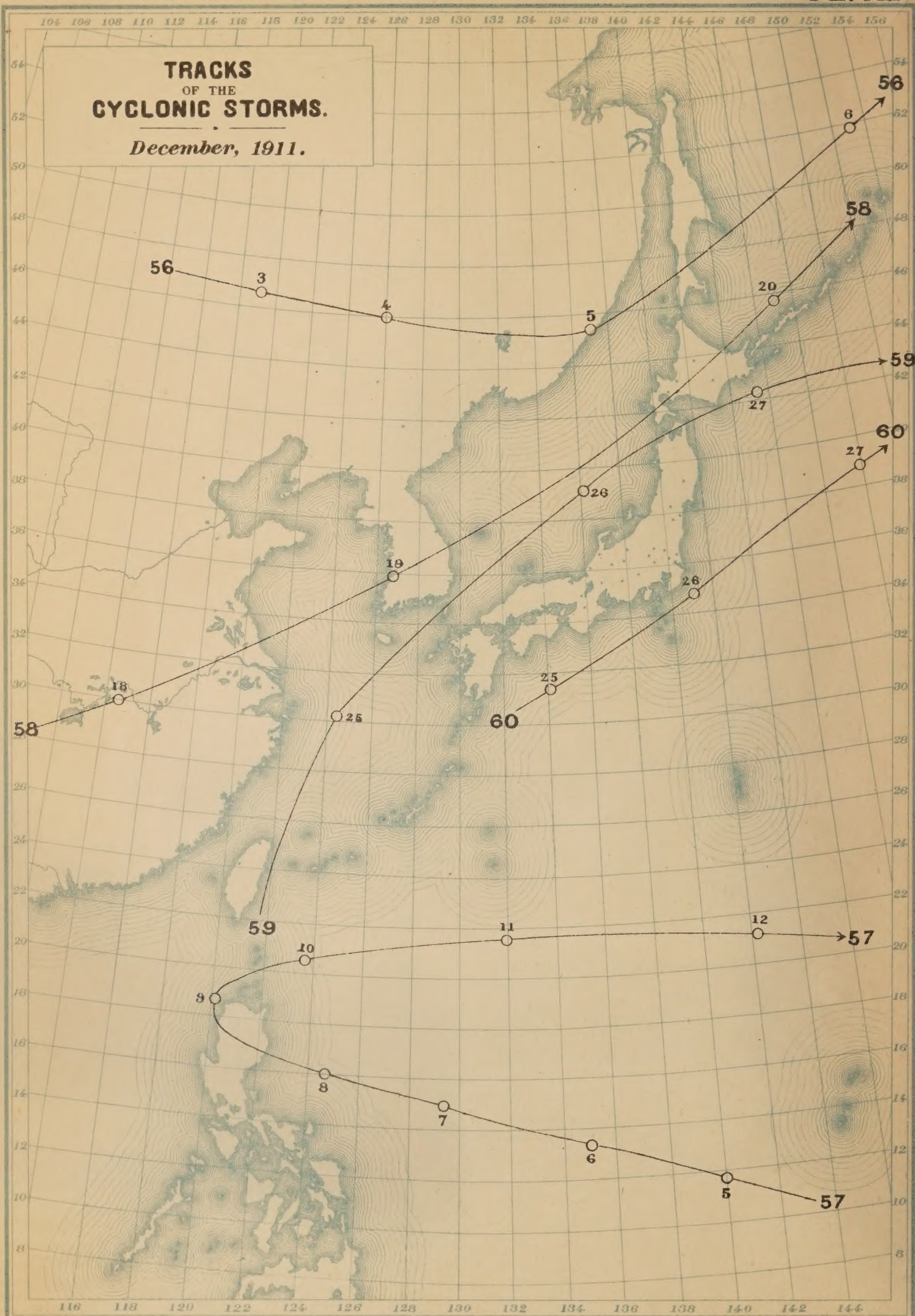

TRACKS
OF THE
CYCLONIC STORMS.
September, 1911.
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PL. X.




TRACKS
OF THE
CYCLONIC STORMS.
November, 1911.
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PL. XII.


TRACKS
OF THE
CYCLONIC STORMS.
December, 1911.
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